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ABSTRACT

Many people feel that the purpose of an education is to prepare students for life outside of school. To help reach this desire it has been suggested that students be allowed to experience and confront issues that they will experience later in their lives. This book confronts students with major issues in science that in many instances have created societal problems that science cannot answer. Some of the topics covered are: (1) general biology (animal rights, definition of life, patenting plants and animals, animal rights); (2) environmental issues (world population explosion, pesticide pollution); (3) destruction of species (destruction of tropical forests); (4) bioethics (human gene manipulation, organ transplants); (5) waste (underground toxic wastes, radioactive waste disposal); (6) pollution (acid rain, oil pollution; pesticide pollution); (7) natural resources (petroleum depletion); (8) mechanics (Newton's Law and the existence of God); (9) heat, light, and sound; (10) electricity (high-voltage power lines); (11) radiation; nuclear; (12) energy; (13) earth and space science; (14) general social science (science and the congress, women as scientists and inventors); (15) computers (computers and privacy); (16) misconceptions (astrology); (17) history (elementary mechanics and women's liberation); (18) government (science and congress); (19) economics (dollar value of a human life, tobacco); and (20) general chemistry (hazardous chemicals, dioxin, and molecular formulas). (ZWH/AA)

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